RFID Reader Model 810

Owner's Manual

3M

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RFID Reader Model 810 Owner's Manual, 78-8129-3165-3 Rev A

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Safety

Intended use

The 3M™ RFID Reader Model 810 is designed and tested to read and/or program 3M™ RFID Tags. When used in conjunction with appropriate computer software, the Model 810 can track, monitor, and assist in locating various items equipped with RFID Tags.

Explanation of signal word consequences

⚠ **WARNING**	Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury and/or property damage.

Explanation of product safety labels

	Attention: Read accompanying documentation
	Risk of electric shock

⚠ Warning!

To reduce the risks associated with hazardous voltage contained within the power supply:

- Do not use the power supply if the case or cord are damaged;
- Do not use power supply in outdoor or wet environments;
- Do not attempt to service or repair the RFID circuitry or power supply — no user serviceable parts inside.

Important note

To reduce the risks of damaging the RFID Reader, DO NOT overtighten the antenna cable connection: Tighten this connection finger tight (snug—as tight as possible using only your fingers).

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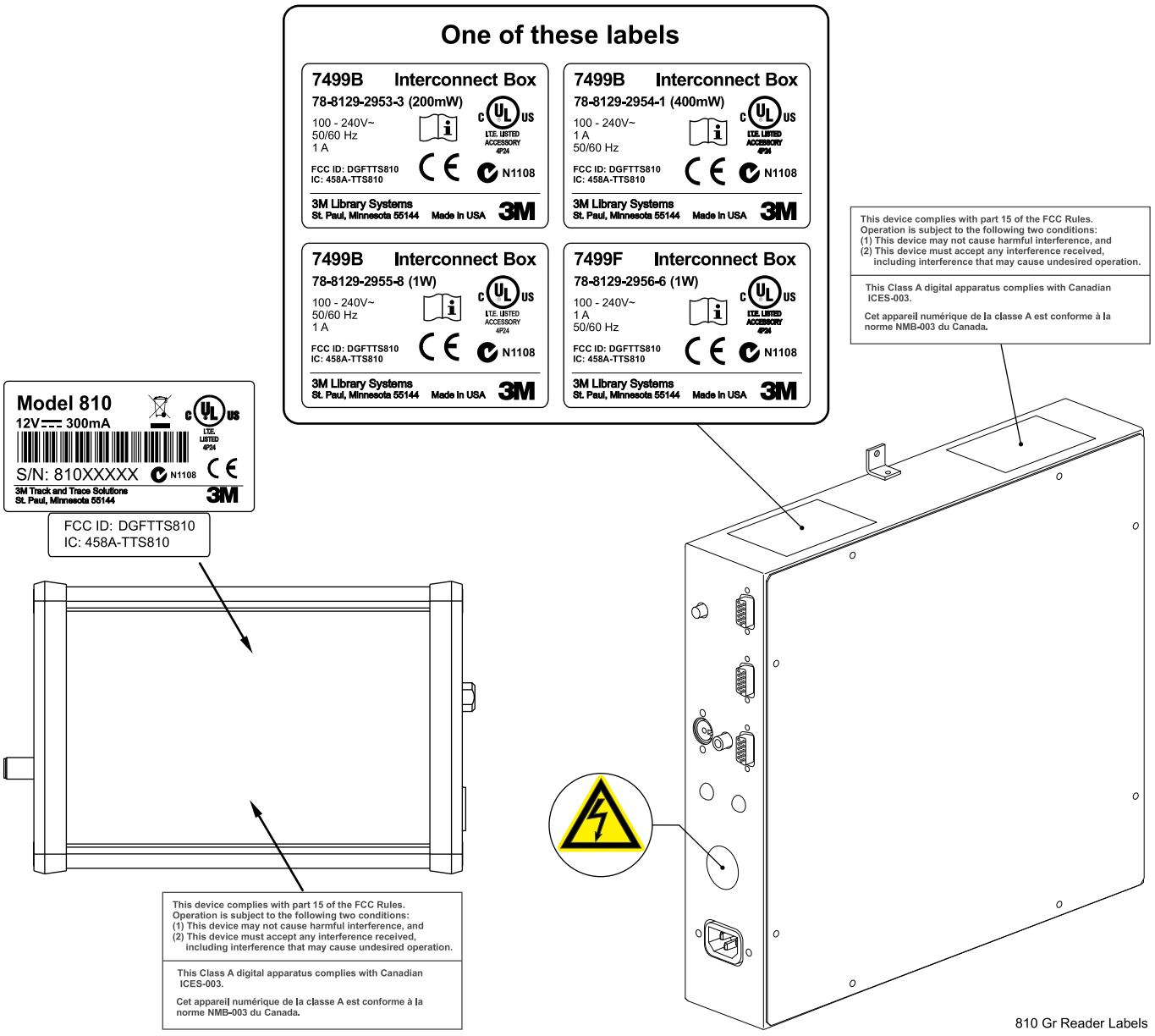
Label locations


One of these labels
7499B Interconnect Box
78-8129-2953-3 (200mW)
100 - 240V~
50/60 Hz
1 A
FCC ID: DGFTTS810
IC: 458A-TTS810
3M Library Systems
St. Paul, Minnesota 55144
Made in USA
7499B Interconnect Box
78-8129-2954-1 (400mW)
100 - 240V~
1 A
50/60 Hz
FCC ID: DGFTTS810
IC: 458A-TTS810
3M Library Systems
St. Paul, Minnesota 55144
Made in USA
7499B Interconnect Box
78-8129-2955-8 (1W)
100 - 240V~
50/60 Hz
1 A
FCC ID: DGFTTS810
IC: 458A-TTS810
3M Library Systems
St. Paul, Minnesota 55144
Made in USA
7499F Interconnect Box
78-8129-2956-6 (1W)
100 - 240V~
1 A
50/60 Hz
FCC ID: DGFTTS810
IC: 458A-TTS810
3M Library Systems
St. Paul, Minnesota 55144
Made in USA
This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.
This Class A digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.
Model 810
12V 300mA
S/N: 810XXXXX
3M Track and Trace Solutions
St. Paul, Minnesota 55144
FCC ID: DGFTTS810
IC: 458A-TTS810
This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.
This Class A digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

810 Gr Reader Labels

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EMC compliance

FCC Intentional Radiator Certification

RFID Reader Model 810	FCC ID: DGFTTS810
	IC: 458A-TTS810

This equipment contains an intentional radiator approved by the FCC and Industry Canada. This device complies with both FCC Part 15 and Canadian ICES-003 rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesirable operation.

Note: This equipment has been tested and found to comply with the limits for a Class A device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

NO MODIFICATION: Modifications to this device shall not be made without the written consent of the 3M Company. Unauthorized modifications may void the authority granted under Federal Communications Commission rules and Industry Canada rules permitting the operation of this device.

This device has been designed to operate only with the following antennas. Antennas not included in this list or having a gain greater than the listed antennas are strictly prohibited for use with this device and may void the authority granted under FCC and Industry Canada Rules permitting the operation of this device.

- 78–8129–2159–7, 12–inch Pad antenna
- 78–8129–2122–5, 8–inch Pad antenna
- 78–8126–8102–7, V-antenna
- 78–8129–2618–2, L-antenna

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communications. Contact your 3M representative as to which antenna is best for your application.

EMC compliance Europe

This equipment complies with the requirements of the R&TTE and EMC directives. See appropriate system owner’s manual.

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Overview

Model 810 components

The Model 810 includes the following components:

- 3M™ RFID Reader
- USB cable - connects the RFID Reader to an appropriate computer system
- AC-DC adapter/power cord or Interconnect Box with internal power supplies

Equipment specifications

RFID Reader

Dimensions	Length: 5.125 in. (13.0 cm) Width: 3.0 in. (7.62 cm) Height: 1.0 in. (2.54 cm)
Weight	3.64 oz. (103.2 g)
Environmental	Operating temperature range: 50°F to 104°F (10°C to 40°C) Storage temperature range: -40°F to 131°F (-40°C to 55°C) Humidity: 0% to 85% RH, non-condensing
Electrical	100–240 VAC, 47 to 63 Hz, 0.5 A

Interconnect Box

Dimensions	Length: 12.0 in. (30.5 cm) Width: 12.0 in. (30.5 cm) Height: 3.0 in. (7.62 cm)
Weight	3.6 lb. (1.6 kg)
Environmental	Operating temperature range: 50°F to 104°F (10°C to 40°C) Storage temperature range: -40°F to 131°F (-40°C to 55°C) Humidity: 0% to 85% RH, non-condensing
Electrical	100–240 VAC, 47 to 63 Hz, 1.0 A

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3M Service

To locate service telephone numbers, see your 3M software manual.

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3M Library Systems
3M Center, Building 225–4N-14
St. Paul, Minnesota 55144–1000
U.S.A.
1-800-328-0067
www.3M.com/library

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78-8129-3165-3 Rev A